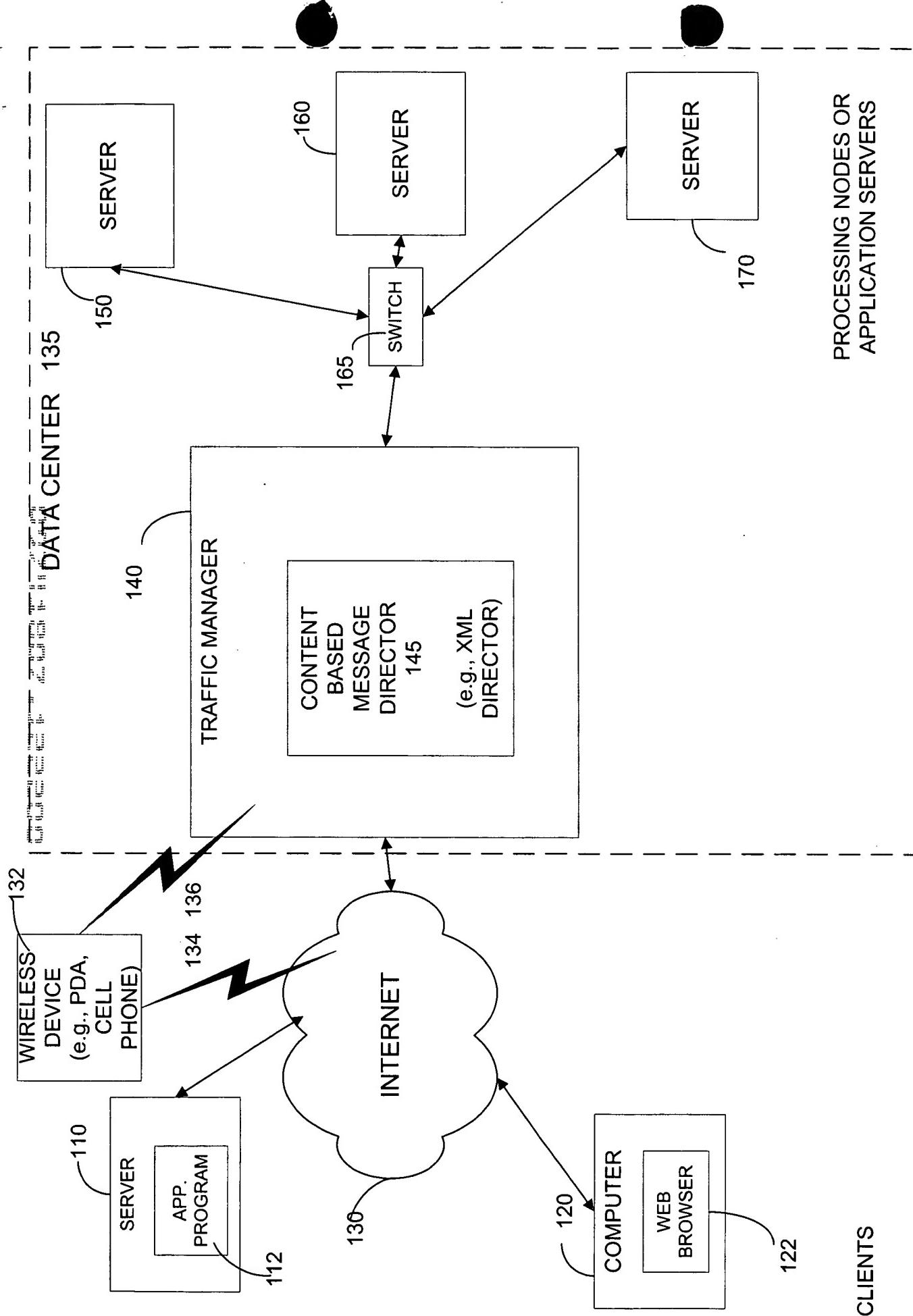


FIG. 1



CLIENTS

PROCESSING NODES OR
APPLICATION SERVERS

122

120

WEB
BROWSER

110
APP.
PROGRAM

130
INTERNET

132
WIRELESS
DEVICE
(e.g., PDA,
CELL
PHONE)

112

140

DATA CENTER
135

110

136

150

160

165
SWITCH

170
SERVER

170

145
(e.g., XML
DIRECTOR)

140
CONTENT
BASED
MESSAGE
DIRECTOR

160

132
WIRELESS
DEVICE
(e.g., PDA,
CELL
PHONE)

110

136

150

140

DATA CENTER
135

112

136

150

160

165
SWITCH

170
SERVER

170

145
(e.g., XML
DIRECTOR)

140
CONTENT
BASED
MESSAGE
DIRECTOR

160

132
WIRELESS
DEVICE
(e.g., PDA,
CELL
PHONE)

110

136

150

140

DATA CENTER
135

112

136

150

140

DATA CENTER
135

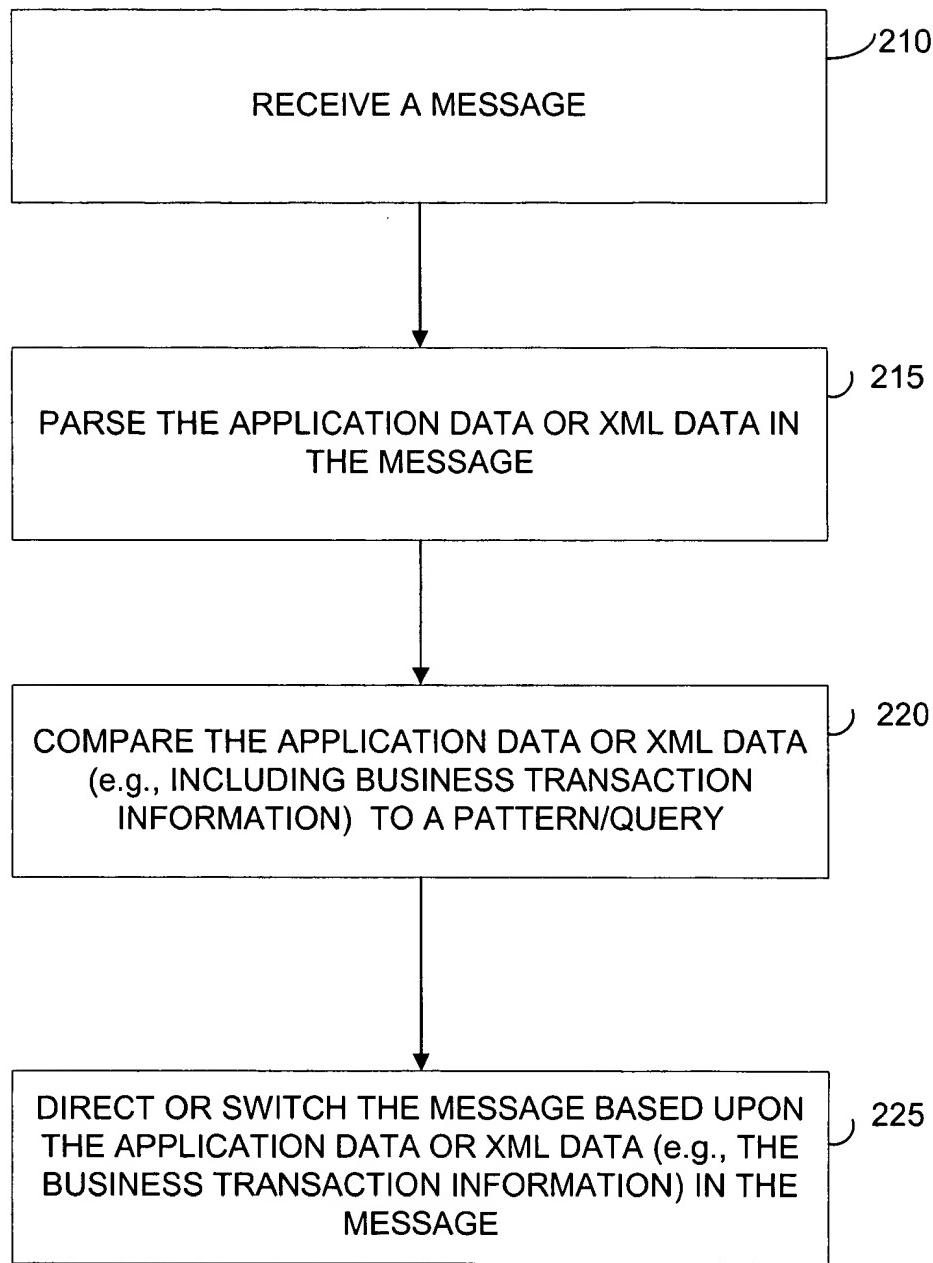


FIG. 2

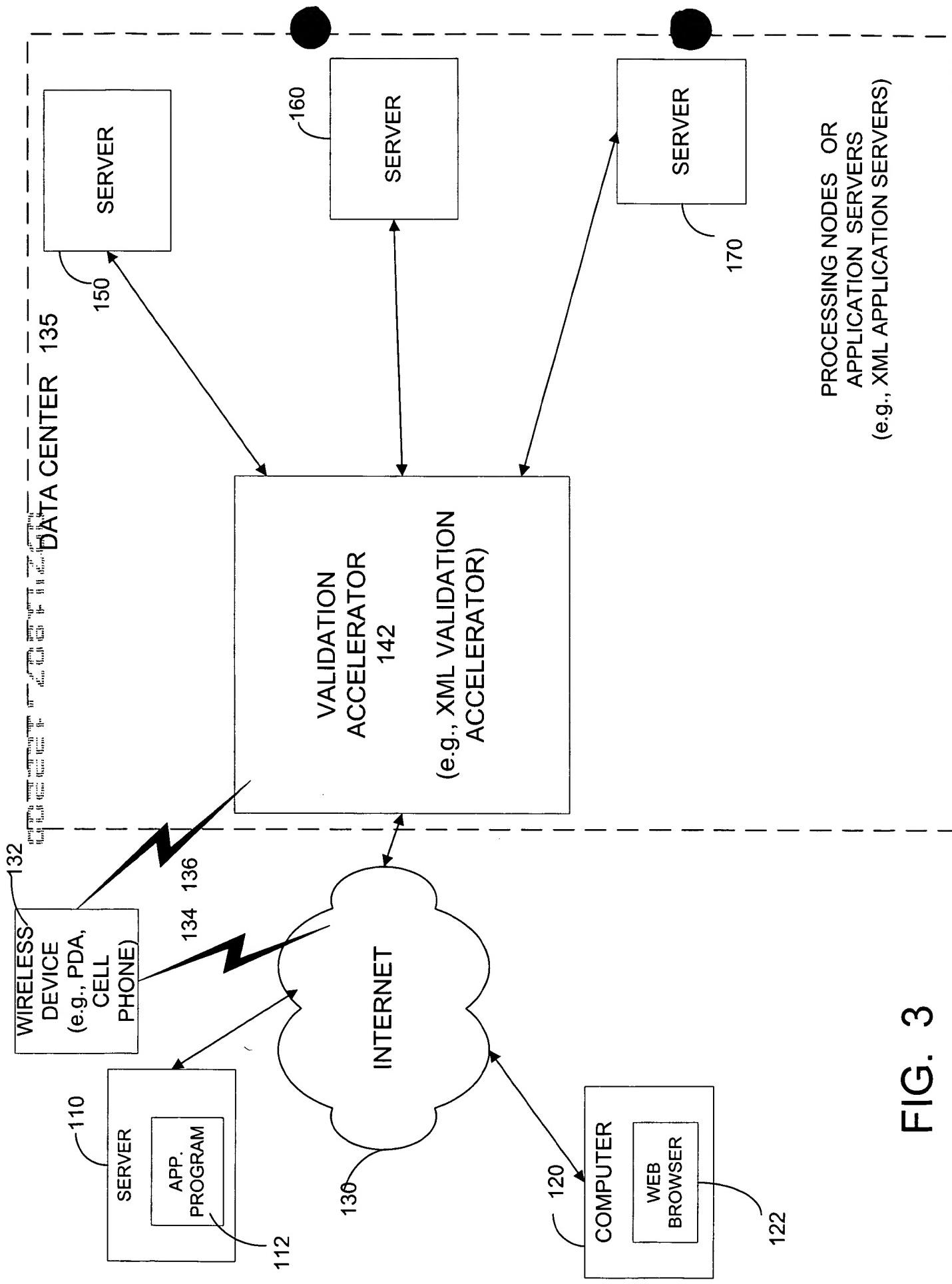


FIG. 3

PROCESSING NODES OR
APPLICATION SERVERS
(e.g., XML APPLICATION SERVERS)

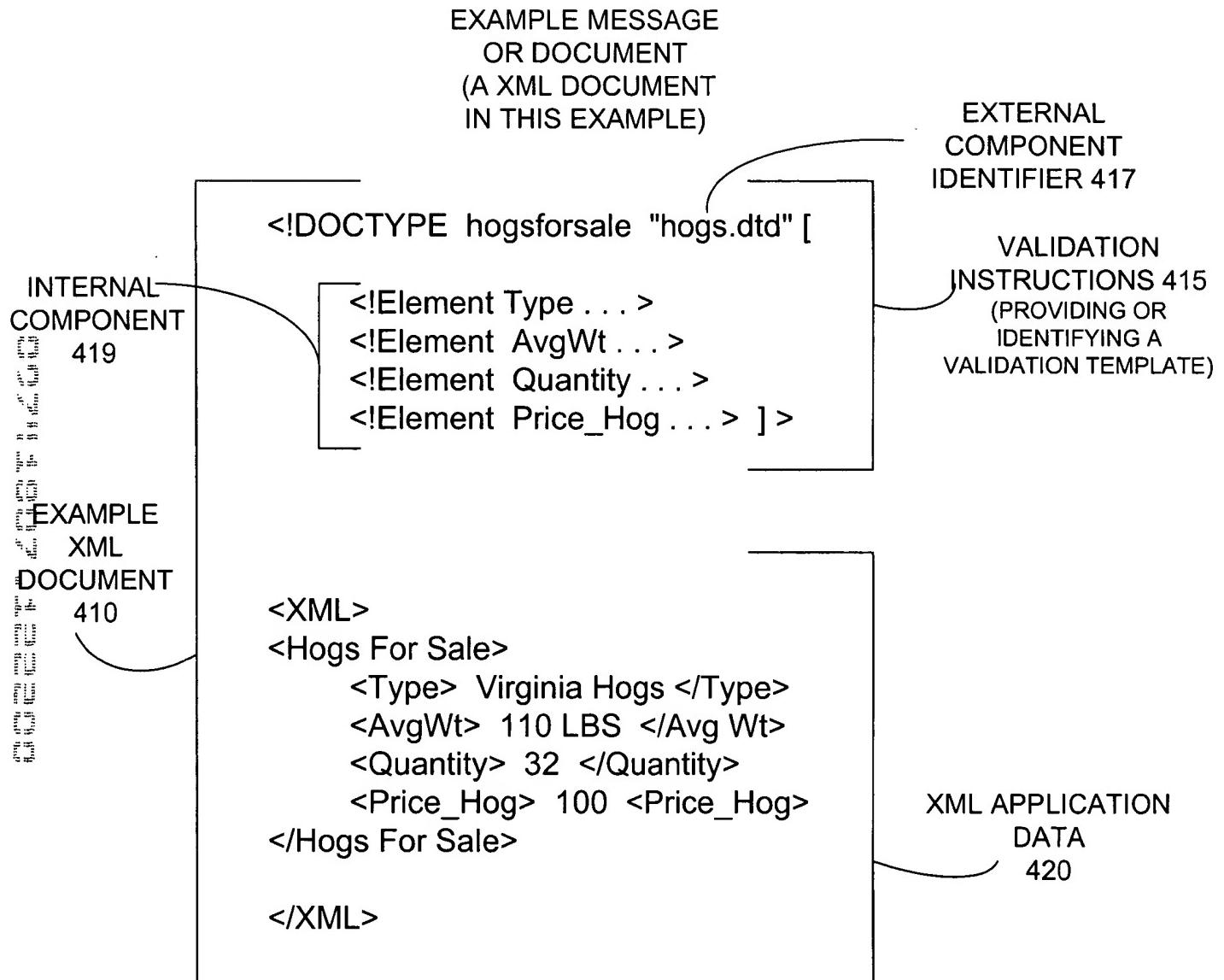


FIG. 4

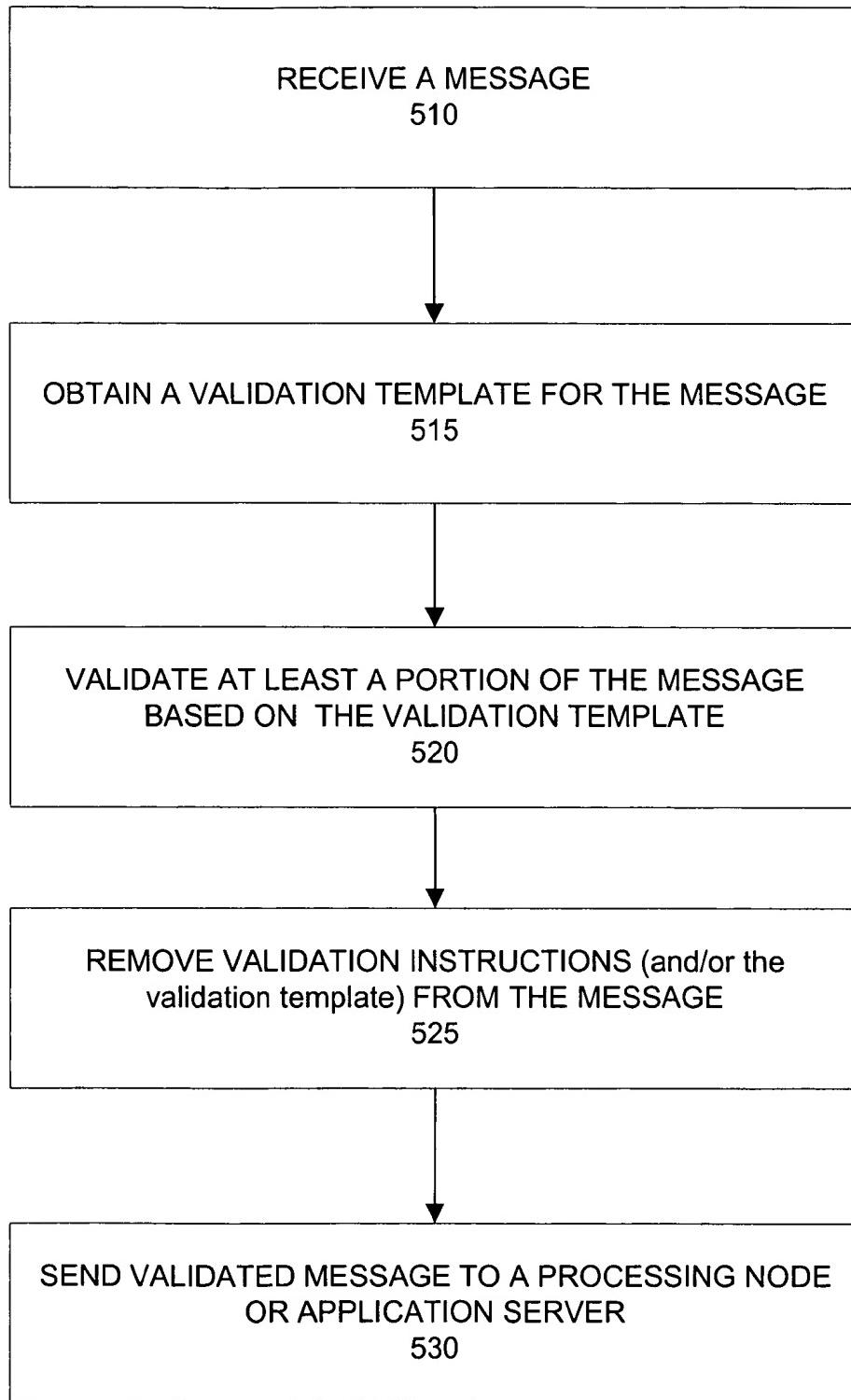


FIG. 5

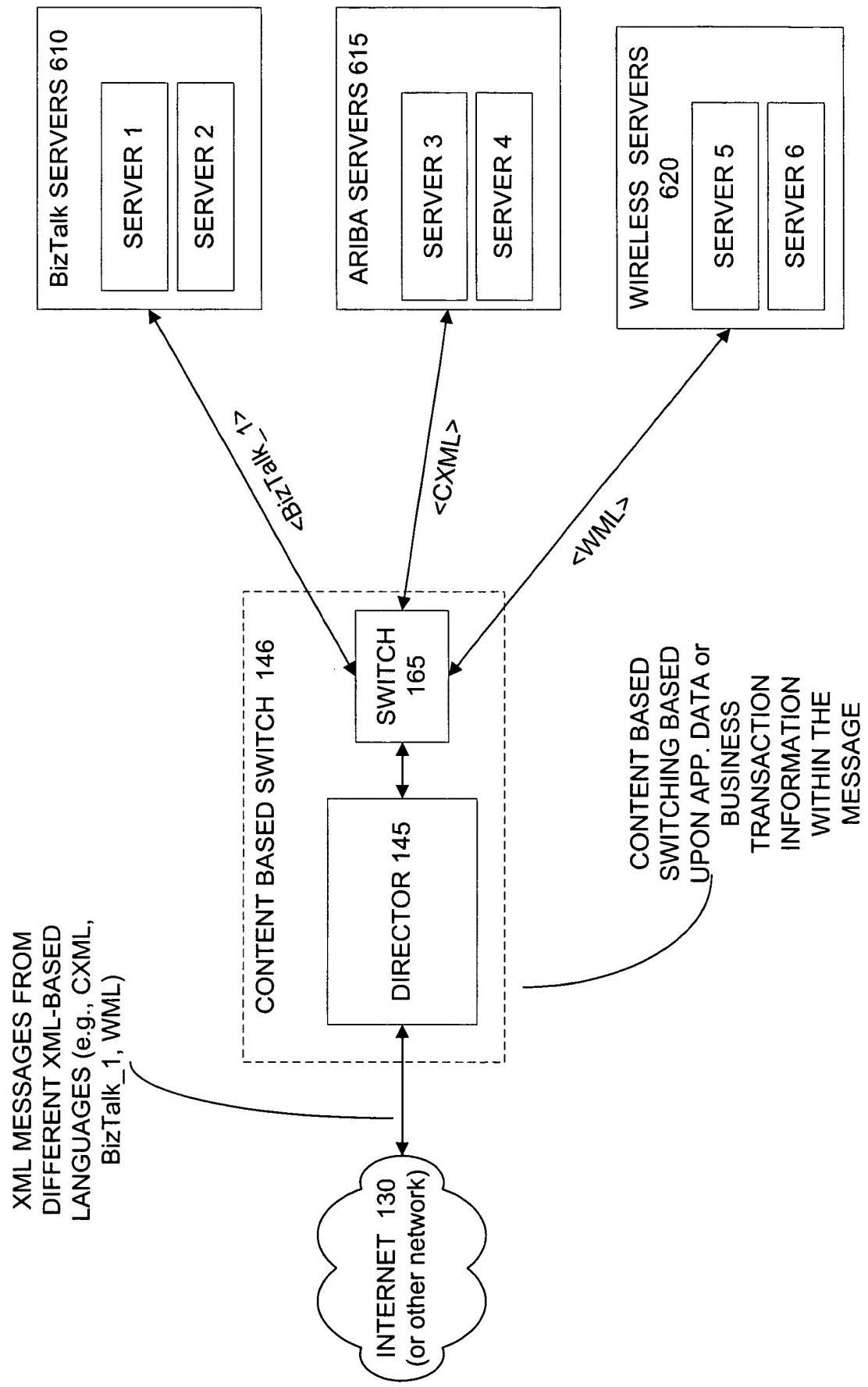


FIG. 6

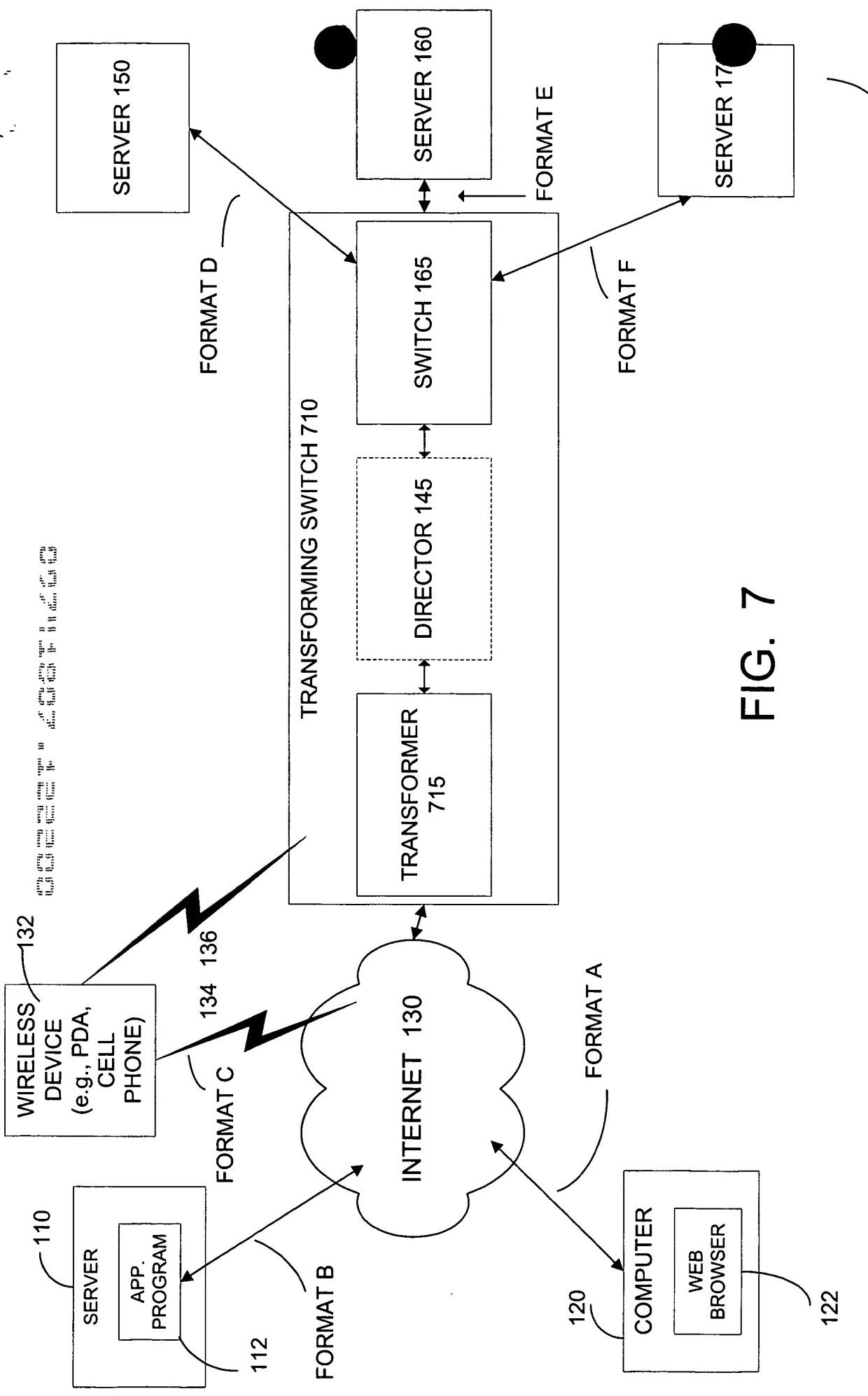


FIG. 7

PROCESSING NODES OR
APPLICATION SERVERS
(e.g., XML APPLICATION SERVERS)

TRANSFORMING SWITCH 710A
VALIDATION ACCELERATOR 142
SECURITY ACCELERATOR 815

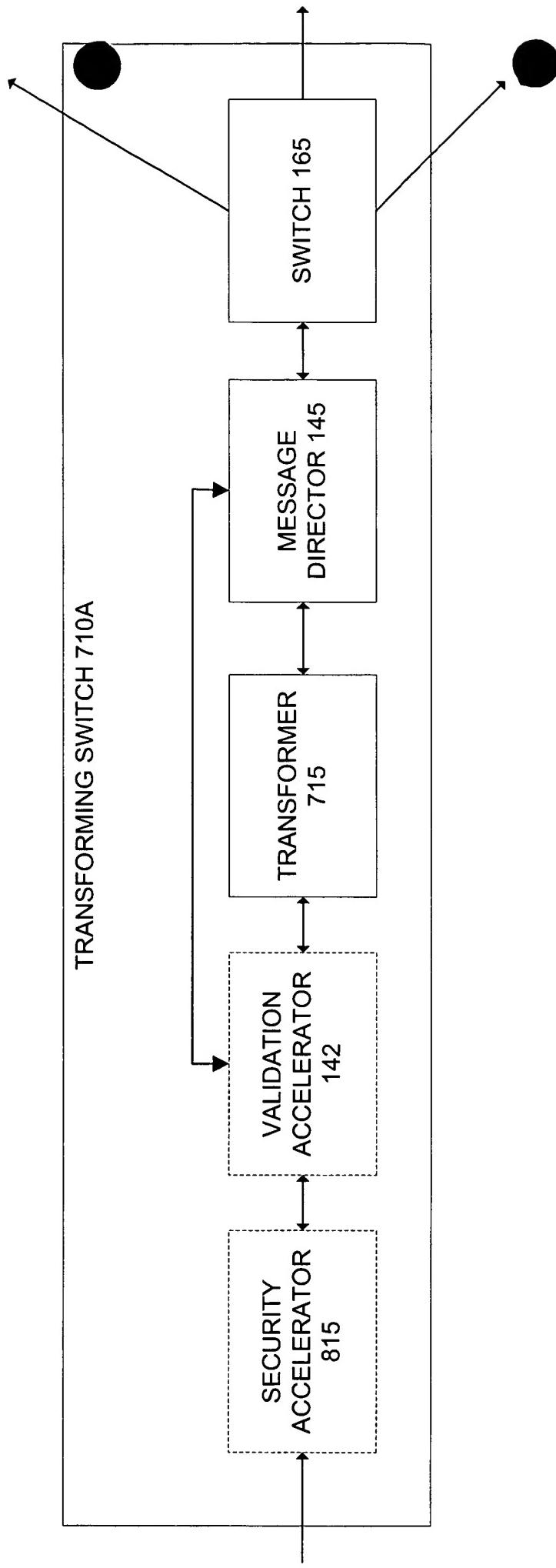


FIG. 8

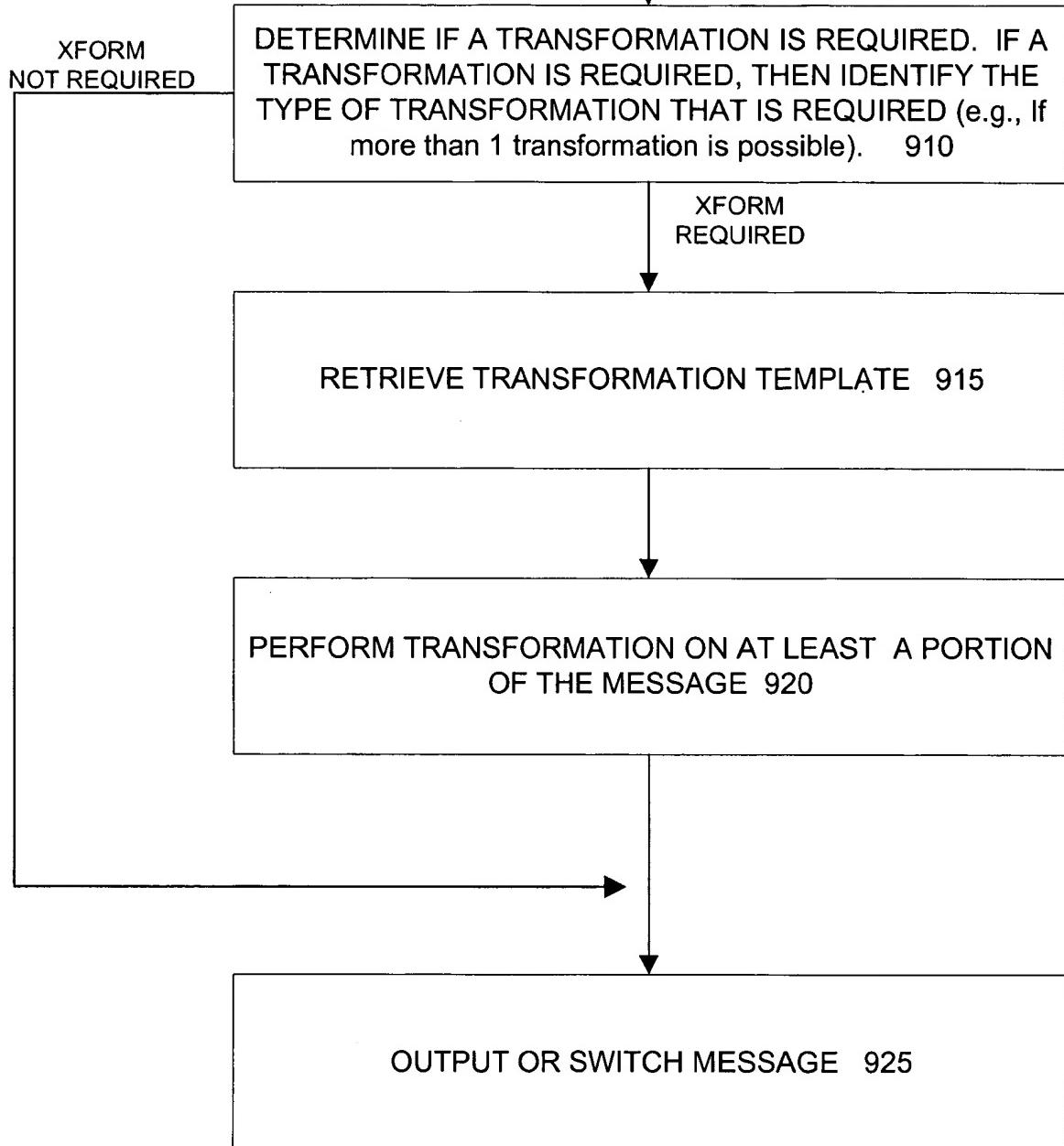


FIG. 9

Format Transformation (Outbound)

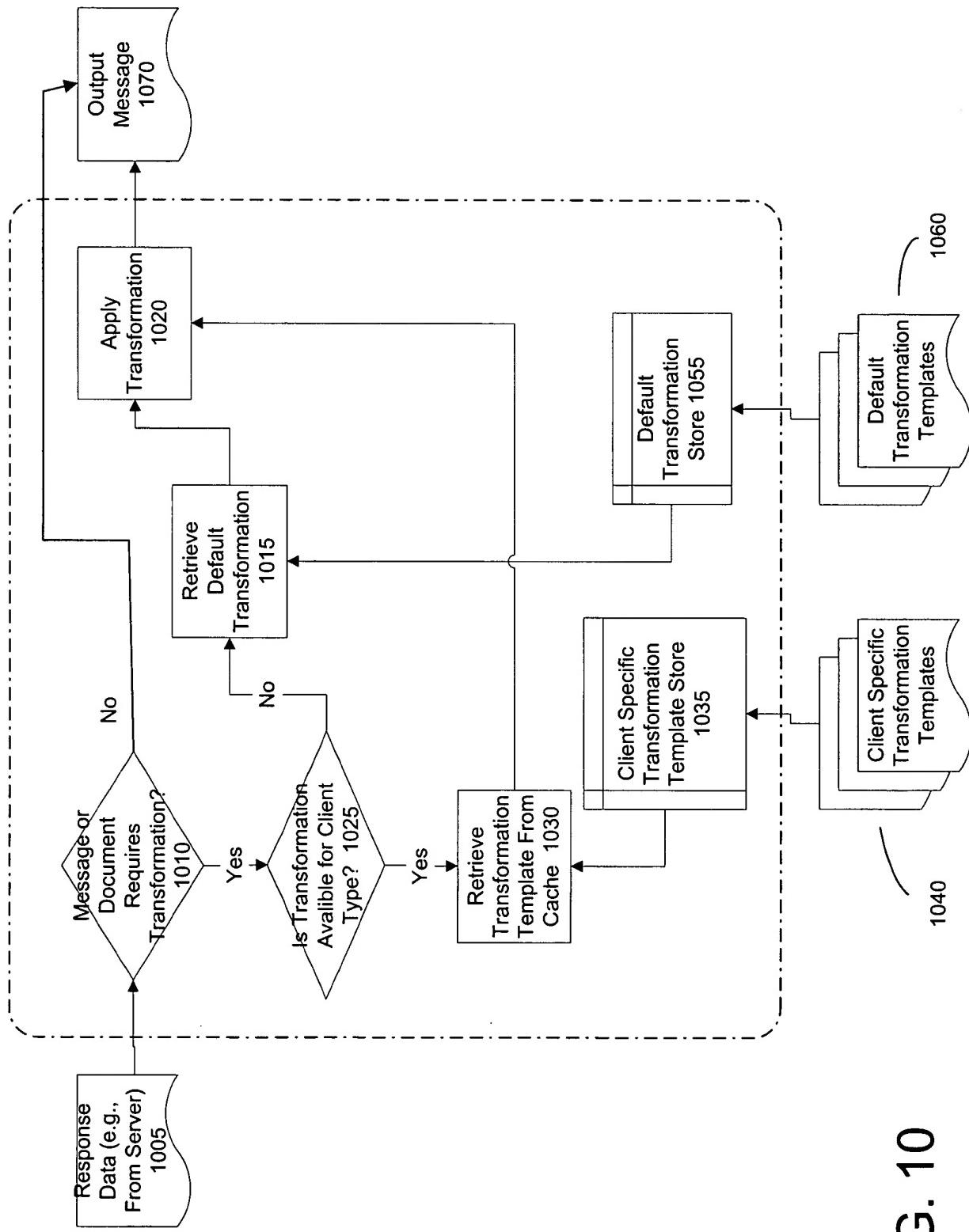


FIG. 10